

Appln. No. 09/867,831
 Amendment dated Sep. 16, 2004
 Reply to Office Action of June 16, 2004
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IBM Docket No. BOC9-2000-0092

can include a protocol layer 102 which can include interfaces to IP, wireline and wireless signaling protocols. These protocols can include TCAP, ISUP, INAP, MAP, SIP, MGCP, and H.323. The JAIN implementation also can include a signaling layer 103 which can include interfaces to provide connectivity management and call control. The conventional JAIN implementation also can include an application layer 104 for handling secure network access and other external services. Finally, the conventional JAIN implementation can include a service layer 106 which can include a service creation and carrier grade service logic execution environment (SLEE) 108.

In JAIN, the protocol layer 102 and the signaling layer 103 are based upon a JAVA programming language Java[™] standardization of specific signaling protocols and provide standardized protocol interfaces in an object model. Additionally, applications and protocol stacks can be interchanged all the while providing a high degree of portability to the applications in the application layer using protocol stacks from different sources. By comparison, the application layer 104 provides a single call model across all supported protocols in the protocol layer 102. Fundamentally, the application layer 104 provides a single state machine for multiparty, multimedia, and multiprotocol sessions for service components in the application layer 104. This state machine is accessible by trusted applications that execute in the application layer 104 through a call control API.

IDC-A1,AMD,M

Please replace the paragraph beginning at page 14, line ¹⁶ 21 with the following amended paragraph

In step 360, the service component optionally can post an acknowledgment to the SLEE for routing to the Web server and hypermedia document contained therein. Accordingly, information contained within the acknowledgment can be presented to the user by dynamically creating a Web

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